

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of : July 23, 2003  
Sanjay KOTHA :  
Tirumalai S. SUDARSHAN :  
Serial No.: N/A :  
Filed: Herewith :  
For: MAGNETIC FLUID CUSHIONING :  
DEVICE FOR A FOOTWEAR :  
OR SHOE :

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
Alexandria, Virginia 22313-1450

Dear Sir:

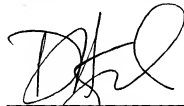
Pursuant to 37 CFR 1.56 and 1.97-1.98, Applicants submit herewith copies of various references for the Examiner's consideration. The Examiner is respectfully requested to review and officially consider and make the references of record before issuing the first Office Action in connection with this case.

A completed form 1449B/PTO listing the references thereon together with copies of same is enclosed herewith. The Examiner is respectfully requested to return an initialed copy of form 1449B/PTO along with the next communication in connection with this case.

It is believed that no fee is due for this submission. Should that determination be incorrect, however, the Examiner is hereby authorized to charge any deficiencies, or credit any overpayment, to our Deposit Account No. 01-0433, and notify the undersigned in due course.

Should the Examiner have any questions or wish to discuss further this matter, please contact the undersigned at the telephone number provided below.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'D. Agarwal', written over a horizontal line.

DINESH AGARWAL  
Attorney for Applicant(s)  
Reg. No. 31,809

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1449B/PTO Rev. 10/95		U.S. Department of Commerce Patent and Trademark Office		<b>Complete if Known</b> Application Number      N/A Filing Date                Her with First Named Inventor      Sanjay KOTHA et al. Group Art Unit Examiner Name Attorney Docket Number      US 1330/02	
<b>LIST OF PRIOR ART CITED BY APPLICANT</b> <i>(use as many sheets as necessary)</i>					
Sheet	2	of	6		

U.S. PATENT DOCUMENTS						
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Number	Kind Code <sup>2</sup> (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		4,574,782		Borrelli et al.	03-11-1986	
		4,613,304		Meyer	09-23-1986	
		4,628,037		Chagnon et al.	12-09-1986	
		4,637,394		Racz et al.	01-20-1987	
		4,662,359		Gordon	05-05-1987	
		4,672,040		Josephson	06-09-1987	
		4,695,392		Whitehead et al.	09-22-1987	
		4,695,393		Whitehead et al.	09-22-1987	
		4,721,618		Giles et al.	01-26-1988	
		4,992,190		Shtarkman	02-12-1991	
		4,999,188		Solodovnik et al.	03-12-1991	
		5,067,952		Gudov et al.	11-26-1991	
		5,108,359		Granov et al.	04-28-1992	
		5,161,776		Nicholson	11-10-1992	
		5,180,583		Hedner	01-19-1993	
		5,202,352		Okada et al.	04-13-1993	
		5,207,675		Canady	05-04-1993	
		5,236,410		Granov et al.	08-17-1993	
		5,354,488		Shtarkman et al.	10-11-1994	
		5,358,659		Ziolo	10-25-1994	

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Examiner Signature		Date Considered	
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3) <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.1 <sup>6</sup> if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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		5,707,078		Swanberg et al.	01-13-1998	
		5,714,829		Guruprasad	02-23-1998	
		5,782,954		Luk	07-21-1998	
		5,800,372		Bell et al.	09-01-1998	
		5,900,184		Weiss et al.	05-04-1999	
		5,927,753		Faigle et al.	07-27-1999	
		5,947,514		Keller et al.	09-07-1999	
		6,027,664		Weiss et al.	02-22-2000	
		6,036,226		Brown et al.	03-14-2000	
		6,036,955		Thorpe et al.	03-14-2000	
		6,039,347		Maynard	03-21-2000	
		6,044,866		Rohrbeck	04-04-2000	
		6,051,607		Greff	04-18-2000	
		6,076,852		Faigle	06-20-2000	
		6,096,021		Helm et al.	08-01-2000	
		6,149,576		Gray et al.	11-21-2000	
		6,149,832		Foister	11-21-2000	
		6,167,313		Gray et al.	12-26-2000	
		6,186,176 B1		Gelbmann	02-13-2001	
		6,189,538 B1		Thorpe	02-20-2001	

**FOREIGN PATENT DOCUMENTS**

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First Named Inventor

Saniav KOTHA et al.

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**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book), magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), Publisher, country, where published, source.	T <sup>2</sup>
		U.S. Published Patent Application No. US 2001/0016210 A1, Mathiowitz et al., Aug. 23, 2001.	
		U.S. Published Patent Application No. US 2001/0033384 A1, Luo et al., Oct. 25, 2001.	
		U.S. Published Patent Application No. US 2002/0045045 A1, Adams et al., Apr. 18, 2002	
		Azuma, Y. et al. "Coating of ferric oxide particles with silica by hydrolysis of TEOS", Journal of the Ceramic Society of Japan, 100(5), 646-51 (Abstract) (May 1992).	
		Atarashi, T. et al. "Synthesis of ethylene-glycol-based magnetic fluid using silica-coated iron particle", Journal of Magnetism and Magnetic Materials, 201, 7-10 (1999).	
		Homola, A. M. et al., "Novel Magnetic Dispersions Using Silica Stabilized Particles", IEEE Transactions on Magnetics, 22 (5), 716-719 (September 1986).	
		Giri, A. et al. "AC Magnetic Properties of Compacted FeCo Nanocomposites", Mater. Phys. and Mechanics, 1, 1-10 (2000).	

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